

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013022

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K39/395 A61K47/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 852 951 A (BOEHRINGER MANNHEIM GMBH) 15 July 1998 (1998-07-15)  example 5	1,2,5, 14-16, 18,19
X	US 6 171 586 B1 (ONGPIATTANAKUL BOONSRI ET AL) 9 January 2001 (2001-01-09)  column 44	1,2,5, 14-16, 18,19
X	EP 0 528 313 A (BOEHRINGER MANNHEIM GMBH) 24 February 1993 (1993-02-24) example 7	1,2,5, 16,18,19
X	WO 98/28007 A (BIOGEN INC ;CHUNG WEN LI (US); DIBIASI MARY D (US); SCHARIN ERIC ( ) 2 July 1998 (1998-07-02) page 3, line 1 - line 4	1,2,5, 16,18,19
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

27/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Wagner, R

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013022

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/080976 A (CHIRON CORP ;BABUKA SUSAN (US); CHOE MINNA (US); SHIRLEY BRET A (U) 17 October 2002 (2002-10-17) table 1 -----	1,2,5, 16,18,19
X	US 5 871 736 A (GENNARI KATHARINA ET AL) 16 February 1999 (1999-02-16) claim 4; table 2 -----	1-21
A	EP 0 025 275 A (CHEMO SERO THERAPEUT RES INST ;TEIJIN LTD (JP)) 18 March 1981 (1981-03-18) page 2 -----	1-21

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0852951	A	15-07-1998	EP 0852951 A1 15-07-1998
		AT 276762 T 15-10-2004	
		AU 735411 B2 05-07-2001	
		AU 5484198 A 10-06-1998	
		BR 9713521 A 21-03-2000	
		CA 2272245 A1 28-05-1998	
		CN 1244805 A ,C 16-02-2000	
		DE 59711959 D1 28-10-2004	
		WO 9822136 A2 28-05-1998	
		EP 0941121 A2 15-09-1999	
		ID 19029 A 04-06-1998	
		JP 2001503781 T 21-03-2001	
		KR 2000053328 A 25-08-2000	
		TR 9901696 T2 21-09-1999	
		TW 520291 B 11-02-2003	
		ZA 9710409 A 19-05-1999	
US 6171586	B1	09-01-2001	NONE
EP 0528313	A	24-02-1993	DE 4126983 A1 18-02-1993
		AT 145138 T 15-11-1996	
		AU 710768 B2 30-09-1999	
		AU 1633997 A 22-05-1997	
		AU 678756 B2 12-06-1997	
		AU 2409492 A 16-03-1993	
		CA 2115348 A1 04-03-1993	
		CZ 9400287 A3 17-08-1994	
		DE 59207523 D1 19-12-1996	
		DK 607156 T3 07-04-1997	
		WO 9303744 A1 04-03-1993	
		EP 0528313 A1 24-02-1993	
		EP 0607156 A1 27-07-1994	
		ES 2094923 T3 01-02-1997	
		FI 940674 A 14-02-1994	
		GR 3022037 T3 31-03-1997	
		HU 67379 A2 28-04-1995	
		IL 102775 A 22-12-1999	
		JP 6510031 T 10-11-1994	
		KR 263282 B1 01-08-2000	
		MX 9204636 A1 01-02-1993	
		NO 940499 A 14-02-1994	
		RU 2091068 C1 27-09-1997	
		SG 66226 A1 20-07-1999	
		SK 14894 A3 09-11-1994	
		US 5503827 A 02-04-1996	
		US 6303113 B1 16-10-2001	
		ZA 9206122 A 14-02-1994	
WO 9828007	A	02-07-1998	AT 270899 T 15-07-2004
		AU 738362 B2 13-09-2001	
		AU 5619198 A 17-07-1998	
		BG 103594 A 28-04-2000	
		BR 9714434 A 02-05-2000	
		CA 2275890 A1 02-07-1998	
		CN 1245434 A 23-02-2000	
		CZ 9902282 A3 15-12-1999	
		DE 69729880 D1 19-08-2004	
		EA 2754 B1 29-08-2002	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013022

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9828007	A		EE	9900313	A	17-04-2000
			EE	200300127	A	16-06-2003
			EP	0948358	A1	13-10-1999
			ES	2224290	T3	01-03-2005
			HK	1025040	A1	08-04-2005
			HU	0000829	A2	28-07-2000
			JP	2001519770	T	23-10-2001
			NO	993121	A	24-08-1999
			NZ	336548	A	28-09-2001
			NZ	512792	A	26-11-2002
			PL	334365	A1	28-02-2000
			SI	948358	T1	30-04-2005
			SK	85899	A3	18-01-2000
			TR	9901968	T2	21-12-1999
			WO	9828007	A1	02-07-1998
			US	2003190307	A1	09-10-2003
WO 02080976	A	17-10-2002	US	2002172661	A1	21-11-2002
			CA	2442854	A1	17-10-2002
			CN	1511053	A	07-07-2004
			CZ	20032735	A3	16-03-2005
			EP	1381432	A2	21-01-2004
			JP	2004529917	T	30-09-2004
			NO	20034492	A	25-11-2003
			WO	02080976	A2	17-10-2002
			US	2004191219	A1	30-09-2004
US 5871736	A	16-02-1999	AT	246005	T	15-08-2003
			AU	700788	B2	14-01-1999
			AU	3522995	A	27-03-1996
			BR	9508821	A	23-12-1997
			CA	2197432	A1	14-03-1996
			CN	1157572	A	20-08-1997
			CZ	9700684	A3	11-06-1997
			DE	69531400	D1	04-09-2003
			DE	69531400	T2	27-05-2004
			DK	779818	T3	24-11-2003
			WO	9607429	A1	14-03-1996
			EP	0779818	A1	25-06-1997
			FI	970603	A	12-02-1997
			HU	77122	A2	02-03-1998
			IL	115226	A	17-08-1999
			JP	3004729	B2	31-01-2000
			JP	10502938	T	17-03-1998
			NO	971016	A	05-03-1997
			NZ	292919	A	23-12-1998
			PL	318265	A1	26-05-1997
			PT	779818	T	28-11-2003
			RO	118568	B1	30-07-2003
			RU	2158605	C2	10-11-2000
			SK	30097	A3	08-10-1997
			TW	407056	B	01-10-2000
			ZA	9507583	A	10-03-1997
EP 0025275	A	18-03-1981	JP	56025115	A	10-03-1981
			JP	56025116	A	10-03-1981
			AT	11370	T	15-02-1985
			CA	1165235	A1	10-04-1984

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

**PCT/EP2004/013022**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0025275	A	DE 3070012 D1	07-03-1985
		EP 0025275 A2	18-03-1981
		US 4362661 A	07-12-1982
-----			